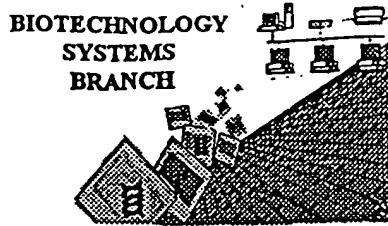


5040



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/517,324

Source:

PCT

Date Processed by STIC:

12-28-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/517,324

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleic Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was received in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 Misaligned Amino Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>.<223> section that some may be missing.

6 PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>.<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>.<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>.<223> sections for Artificial or Unknown sequences.

7 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
(2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading!)
(ii) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

8 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>.<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213> Response Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or scientific name (Genus/species). <220>.<223> section is required when <213> response is Unknown or is Artificial Sequence

11 Use of <220> Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 05/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/517,324

DATE: 12/28/2004
TIME: 11:50:05

Input Set : A:\040679.txt
Output Set: N:\CRF4\12282004\J517324.raw

3 <110> APPLICANT: SinoGenoMax Company Ltd
5 <120> TITLE OF INVENTION: Randomised DNA libraries and double-stranded RNA libraries,
use and

6 method of production thereof
8 <130> FILE REFERENCE: P06031PC00

C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/517,324

C--> 11 <141> CURRENT FILING DATE: 2004-12-20

13 <150> PRIOR APPLICATION NUMBER: US 60/390,108

14 <151> PRIOR FILING DATE: 2002-06-21

16 <160> NUMBER OF SEQ ID NOS: 45

18 <170> SOFTWARE: PatentIn version 3.1

20 <210> SEQ ID NO: 1

21 <211> LENGTH: 29

22 <212> TYPE: DNA

23 <213> ORGANISM: Artificial Sequence

25 <220> FEATURE:

26 <223> OTHER INFORMATION: 5?rimer

28 <400> SEQUENCE: 1

29 ggaatttcgaa cgctgacgtc atcaacccg

32 <210> SEQ ID NO: 2

33 <211> LENGTH: 35

34 <212> TYPE: DNA

35 <213> ORGANISM: Artificial Sequence

37 <220> FEATURE:

38 <223> OTHER INFORMATION: 3?rimer

40 <400> SEQUENCE: 2

41 gaagatctgt ctcatacaga acttataaga ttccc

44 <210> SEQ ID NO: 3

45 <211> LENGTH: 500

46 <212> TYPE: DNA

47 <213> ORGANISM: Artificial Sequence

49 <220> FEATURE:

50 <223> OTHER INFORMATION: Modified sequence

52 <220> FEATURE:

53 <221> NAME/KEY: misc_feature

54 <222> LOCATION: (7)..(7)

55 <223> OTHER INFORMATION: Represents nucleotides not clearly identified in the sequencing r

56 esult.

59 <220> FEATURE:

60 <221> NAME/KEY: misc_feature

61 <222> LOCATION: (9)..(9)

62 <223> OTHER INFORMATION: Represents nucleotides not clearly identified in the sequencing r

Does Not Comply
Corrected Diskette Needed
(pg. 1-4, 6)
Pls explain source of genetic material.

Invalid
response

29

Pls explain source of genetic material.

Invalid
response

35

Pls explain source of genetic material.

Invalid
response

See
item
#11

Pls explain source of genetic material.

Invalid
response

On error
summary
sheet.

63
66 <400> result SEQUENCE: 3

^{PART OF}
see error explanation on pg. 1

explain "N" locations.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/517,324

DATE: 12/28/2004

TIME: 11:50:05

Input Set : A:\040679.txt

Output Set: N:\CRF4\12282004\J517324.raw

What is the source of genetic material?

gion
Invalid
response

↑ See item # 11 on
error summary sheet.
12/28/04

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/517,324

DATE: 12/28/2004
TIME: 11:50:05

Input Set : A:\040679.txt
Output Set: N:\CRF4\12282004\J517324.raw

144 <222> LOCATION: (17)..(35)
145 <223> OTHER INFORMATION: Randomized region.
148 <400> SEQUENCE: 8

W--> 149 ggggaagatc taaaaa~~nnnn~~ nnnnnnnnnnn nnnnnntttt aagcttgggg

50

FYI:

152 <210> SEQ ID NO: 9

153 <211> LENGTH: 51

154 <212> TYPE: DNA

155 <213> ORGANISM: Artificial Sequence

157 <220> FEATURE:

158 <223> OTHER INFORMATION: 20 nucleotides randomized region

160 <220> FEATURE:

161 <221> NAME/KEY: misc_feature

162 <222> LOCATION: (17)..(36)

163 <223> OTHER INFORMATION: Randomized region.

166 <400> SEQUENCE: 9

INVALID response

pls explain "N" locations.

PLS EXPLAIN Source of genetic material, "N" CAN

INVALID response

Only represent
a single
nucleotide.

W--> 167 ggggaagatc taaaaa~~nnnn~~ nnnnnnnnnnn nnnnnntttt taagcttggg g

51

170 <210> SEQ ID NO: 10

171 <211> LENGTH: 52

172 <212> TYPE: DNA

173 <213> ORGANISM: Artificial Sequence

175 <220> FEATURE:

176 <223> OTHER INFORMATION: 21 nucleotides randomized region

178 <220> FEATURE:

179 <221> NAME/KEY: misc_feature

180 <222> LOCATION: (17)..(37)

181 <223> OTHER INFORMATION: Randomized region.

184 <400> SEQUENCE: 10

Same errors

W--> 185 ggggaagatc taaaaa~~nnnn~~ nnnnnnnnnnn nnnnnntttt ttaagcttgg gg

52

188 <210> SEQ ID NO: 11

189 <211> LENGTH: 15

190 <212> TYPE: DNA

191 <213> ORGANISM: Artificial Sequence

193 <220> FEATURE:

194 <223> OTHER INFORMATION: primer

196 <400> SEQUENCE: 11

197 ccccaagctt aaaaa

15

200 <210> SEQ ID NO: 12

201 <211> LENGTH: 19

202 <212> TYPE: DNA

203 <213> ORGANISM: Artificial Sequence

205 <220> FEATURE:

206 <223> OTHER INFORMATION: 19 base pair clone

208 <400> SEQUENCE: 12

209 aaagggttta cgtgggtgg

19

212 <210> SEQ ID NO: 13

213 <211> LENGTH: 19

214 <212> TYPE: DNA

215 <213> ORGANISM: Artificial Sequence

217 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/517,324

DATE: 12/28/2004

TIME: 11:50:05

Input Set : A:\040679.txt
Output Set: N:\CRF4\12282004\J517324.raw

218 <223> OTHER INFORMATION: 19 base pair clone
220 <400> SEQUENCE: 13
221 aatcgtctta tttgcatgc 19
224 <210> SEQ ID NO: 14
225 <211> LENGTH: 19
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: 19 base pair clone
232 <400> SEQUENCE: 14
233 aattgacatg tgagcttgg 19
236 <210> SEQ ID NO: 15
237 <211> LENGTH: 19
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: 19 base pair clone
244 <400> SEQUENCE: 15
245 agtagcttgc tgaggttgg 19
248 <210> SEQ ID NO: 16
249 <211> LENGTH: 19
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: 19 base pair clone
256 <400> SEQUENCE: 16
257 cagcatcaact gtatgtgtc 19
260 <210> SEQ ID NO: 17
261 <211> LENGTH: 19
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: 19 base pair clone
268 <400> SEQUENCE: 17
269 ctagttcggt ggaggttgg 19
272 <210> SEQ ID NO: 18
273 <211> LENGTH: 19
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: 19 base pair clone
280 <400> SEQUENCE: 18
281 ctagaaatgtt ggtatgtcg 19
284 <210> SEQ ID NO: 19
285 <211> LENGTH: 19
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: 19 base pair clone

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/517,324

DATE: 12/28/2004

TIME: 11:50:05

Input Set : A:\040679.txt
 Output Set: N:\CRF4\12282004\J517324.raw

292 <400> SEQUENCE: 19
 293 cttaattgggt ggttttaggg 19
 296 <210> SEQ ID NO: 20
 297 <211> LENGTH: 19
 298 <212> TYPE: DNA
 299 <213> ORGANISM: Artificial Sequence
 301 <220> FEATURE:
 302 <223> OTHER INFORMATION: 19 base pair clone
 304 <400> SEQUENCE: 20
 305 tggctgtatg tgagtggct 19
 308 <210> SEQ ID NO: 21
 309 <211> LENGTH: 19
 310 <212> TYPE: DNA
 311 <213> ORGANISM: Artificial Sequence
 313 <220> FEATURE:
 314 <223> OTHER INFORMATION: 19 base pair clone
 316 <400> SEQUENCE: 21
 317 ttaatctctg gtgtcctaa 19
 320 <210> SEQ ID NO: 22
 321 <211> LENGTH: 19
 322 <212> TYPE: DNA
 323 <213> ORGANISM: Artificial Sequence
 325 <220> FEATURE:
 326 <223> OTHER INFORMATION: 19 base pair clone
 328 <400> SEQUENCE: 22
 329 ttgttagggac ttggatgt 19
 332 <210> SEQ ID NO: 23
 333 <211> LENGTH: 15
 334 <212> TYPE: DNA
 335 <213> ORGANISM: Artificial Sequence
 337 <220> FEATURE:
 338 <223> OTHER INFORMATION: Primer
 340 <400> SEQUENCE: 23
 341 aaaaattcga acccc 15
 344 <210> SEQ ID NO: 24
 345 <211> LENGTH: 50
 346 <212> TYPE: DNA
 347 <213> ORGANISM: Artificial Sequence
 349 <220> FEATURE:
 350 <223> OTHER INFORMATION: complementary to SEQ ID NO 8
 352 <220> FEATURE:
 353 <221> NAME/KEY: misc_feature
 354 <222> LOCATION: (17)..(35)
 355 <223> OTHER INFORMATION: Randomized region.
 358 <400> SEQUENCE: 24
 W--> 359 ccccttctag atttttttttttt nnnnnnnnnnn nnnnnnnnnnn nnnnnaaaaaa ttcgaacccc 50
 362 <210> SEQ ID NO: 25
 363 <211> LENGTH: 35
 364 <212> TYPE: DNA

SAME errors

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 12/28/2004
PATENT APPLICATION: US/10/517,324 TIME: 11:50:06

Input Set : A:\040679.txt
Output Set: N:\CRF4\12282004\J517324.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 7,9
Seq#:8; N Pos. 17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35
Seq#:9; N Pos. 17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36
Seq#:10; N Pos. 17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36
Seq#:10; N Pos. 37
Seq#:24; N Pos. 17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35
Seq#:25; N Pos. 11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29
Seq#:26; N Pos. 7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25
Seq#:34; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19
Seq#:38; N Pos. 8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,36
Seq#:38; N Pos. 37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54
Seq#:39; N Pos. 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,32,33,34
Seq#:39; N Pos. 35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50
Seq#:42; N Pos. 8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26
Seq#:43; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19
Seq#:44; N Pos. 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:45; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/517,324

DATE: 12/28/2004

TIME: 11:50:06

Input Set : A:\040679.txt

Output Set: N:\CRF4\12282004\J517324.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0